



University of the Armed Forces ESPE

Department of Computer Science

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Course: Fundamentals of Web Systems
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Date: 14/06/2022

NRC: 4648

Progressive Web

A progressive web application is a type of application software that is delivered over the web, built using common web technologies such as HTML, CSS, and JavaScript. It is meant to work on any platform that uses a standards-compliant browser.

For the implementation of the progressive Web, CSS GRID will be used, with its different attributes an adjustable appearance can be given depending on the device on which the web page is to be viewed.

CSS grid layout or CSS grid is a Cascading Style Sheets technique that allows web developers to create complex and responsive layouts more easily across browsers.

Media queries are a special syntax for CSS that allows us to define styles that will only be applied in the event that defined conditions are met. We can assimilate them to a few lines of optional code, which will only be displayed for some users or devices.

To achieve a progressive web page using CSS Grid, it is essential to use a .css file in which we will give the style instructions to the html, in my case I used javascript for the animation of the menu, css to color it and make the web progressive.

The media query allows us to make our web page multi-device, in order to achieve content visualization in an adequate way without losing the concordance of the content due to the screen resolution, in my case the examples were made on an Imac, Desktop, Iphone 12 pro, Ipad pro and small resolution devices

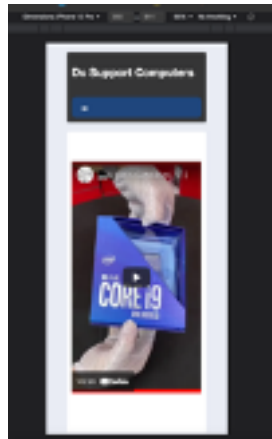
Imac 1920 x 1080



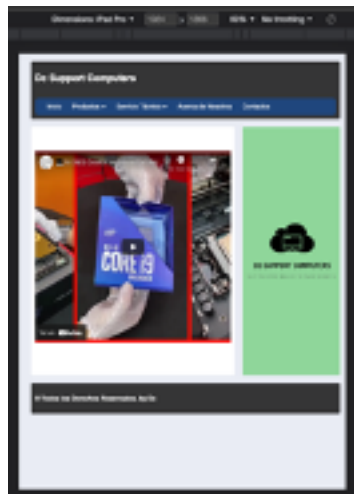
Desktop 1280 x 720



Iphone 12 390 x 844



Ipad Pro 1024 x 1366



Small Display Devices 297 x 800

